Naval Aerospace Medical Institute

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Director of Academic / NOMI

P/Officer in Charge / NAMI

Naval Aerospace Medical Institute

- **History of NAMI - NAOMI - NOMI - NAMI**
  - **Buy a vowel**
- **Academic Programs**
- **Organizational Affiliations**
- **Additional Training Opportunities**
- **Points of Contact**

Naval Aerospace Medical Institute

- School of Aviation Medicine 1946
- Naval Aerospace Medical Institute 1965
- NAMI became Echelon 3 1981
- Naval Aerospace and Operational Medical Institute 1992
- Naval Operational Medicine Institute 1996
- NAMI re-established Echelon 4 1999

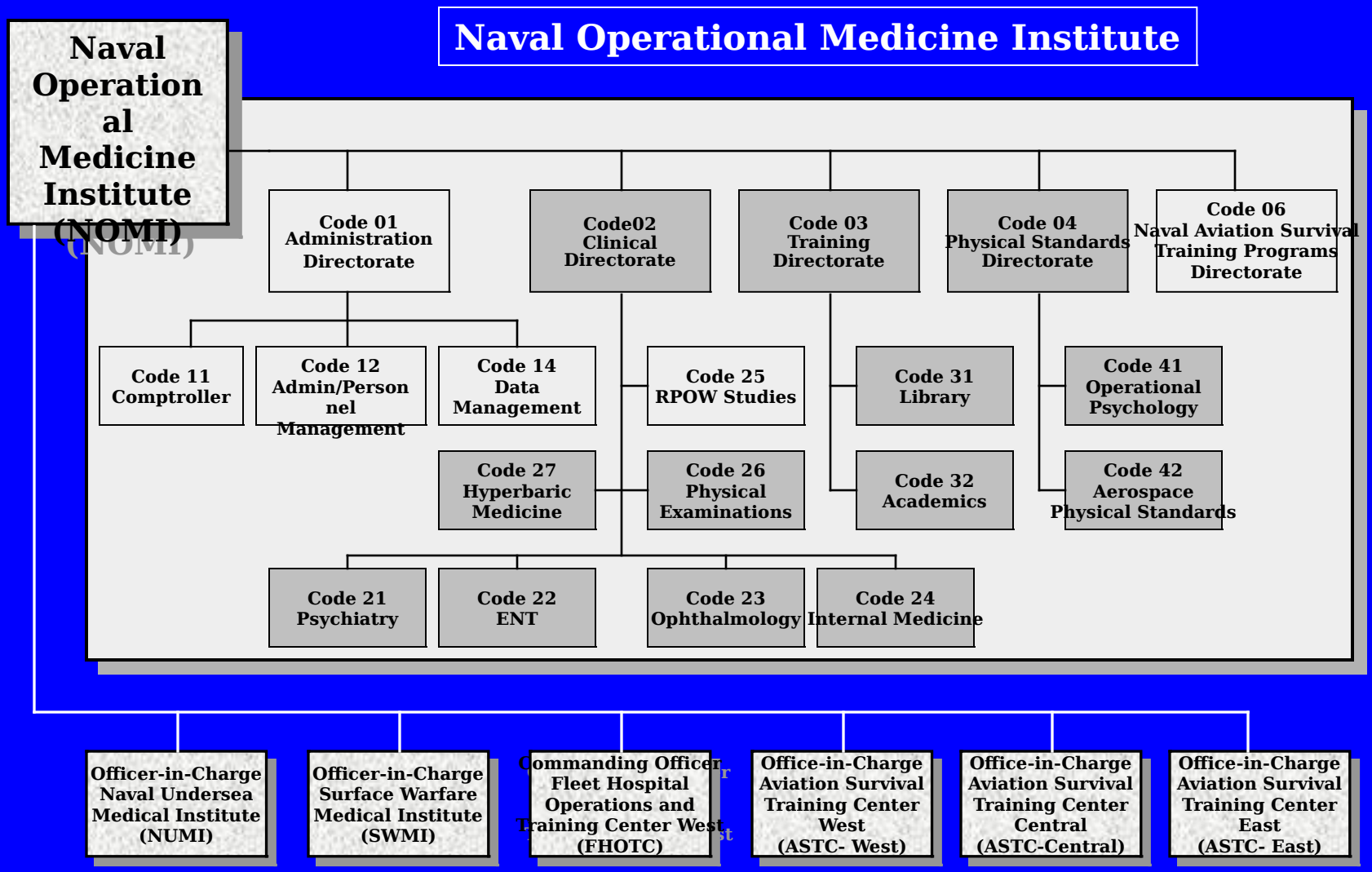

Naval Operational Medicine Institute
Naval Operational Medicine Institute (NOMI)
Code 01 Administration Directorate
Code02 Clinical Directorate
Code 03 Training Directorate
Code 04 Physical Standards Directorate
Code 06 Naval Aviation Survival Training Programs Directorate
Code 11 Comptroller
Code 12 Admin/Personnel Management
Code 14 Data Management
Code 25 RPOW Studies
Code 31 Library
Code 41 Operational Psychology
Code 27 Hyperbaric Medicine
Code 26 Physical Examinations
Code 32 Academics
Code 42 Aerospace Physical Standards
Code 21 Psychiatry
Code 22 ENT
Code 23 Ophthalmology
Code 24 Internal Medicine
Officer-in-Charge Naval Undersea Medical Institute (NUMI)
Officer-in-Charge Surface Warfare Medical Institute (SWMI)
Commanding Officer Fleet Hospital Operations and Training Center West (FHOTC)
Office-in-Charge Aviation Survival Training Center West (ASTC- West)
Office-in-Charge Aviation Survival Training Center Central (ASTC-Central)
Office-in-Charge Aviation Survival Training Center East (ASTC- East)

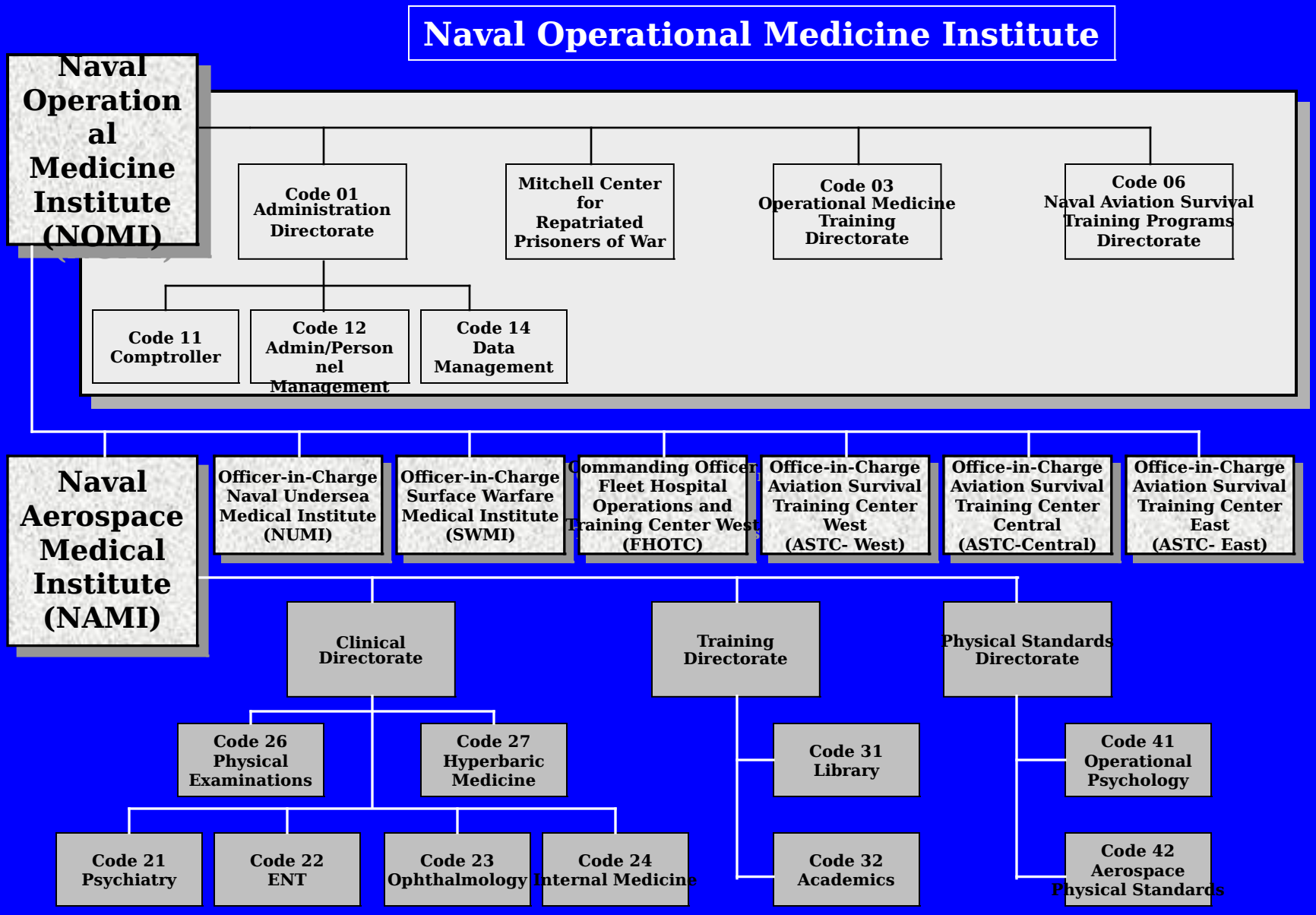
Figure 1. Current structure of Naval Operation Medicine Institute. Elements required to create the Naval Aerospace Medical Institute are shaded.

Reason for NAMI

- **Re-establish an activity dedicated solely to training aviation medical personnel and providing aeromedical consultative support to the fleet.**
  - **Residency in Aerospace Medicine**
  - **Flight Surgeon, Aerospace Physiologist and Aerospace Clinical Psychologist**
  - **Aviation Medicine and Aviation Physiology Technicians.**

Reason for NAMI (cont.)

- **Consolidation of Training Components**
  - **Clinical**
  - **Educational**
  - **Population Based Standards**
  - **Research Capability**
- **The Naval Safety Center has identified Human Factors as the primary area of concentration for continued improvements in Operational Risk Management.**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Mitchell Center for Repatriated Prisoners of War
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Code 06 Naval Aviation Survival Training Programs Directorate
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Code 21 Psychiatry
Code 22 ENT
Code 23 Ophthalmology
Code 24 Internal Medicine
Code 32 Academics
Code 42 Aerospace Physical Standards

Figure 2. Proposed structure for the Naval Aerospace Medical Institute and commands related to NOMI.

Academic Programs

- Medical Corps
  - Basic Flight Surgeon Course
  - Residency in Aerospace Medicine
- Medical Service Corps
  - Aerospace Physiologist
  - Aerospace Experimental Psychologist
  - Aerospace Optometrist
- Hospital Corps
  - Aerospace Medicine/Physiology Technician

Program Directors

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Flight Surgeon Curriculum

- **Phase I - NAMI Academics**
  - **Aviation Medicine**
  - **Operational Medicine**
  - **Environmental Physiology**
  - **Aerospace psychiatry, ophthalmology, ENT and internal medicine/neurology**
  - **9 weeks**

Flight Surgeon Curriculum

- **Phase II - Preflight Indoctrination**
  - **Aviation Ground School**
    - **aerodynamics**
    - **navigation**
    - **aircraft engines and systems**
    - **aviation weather**
    - **flight rules and regulations**
    - **aviation physiology and water survival**
  - **5.5 weeks**

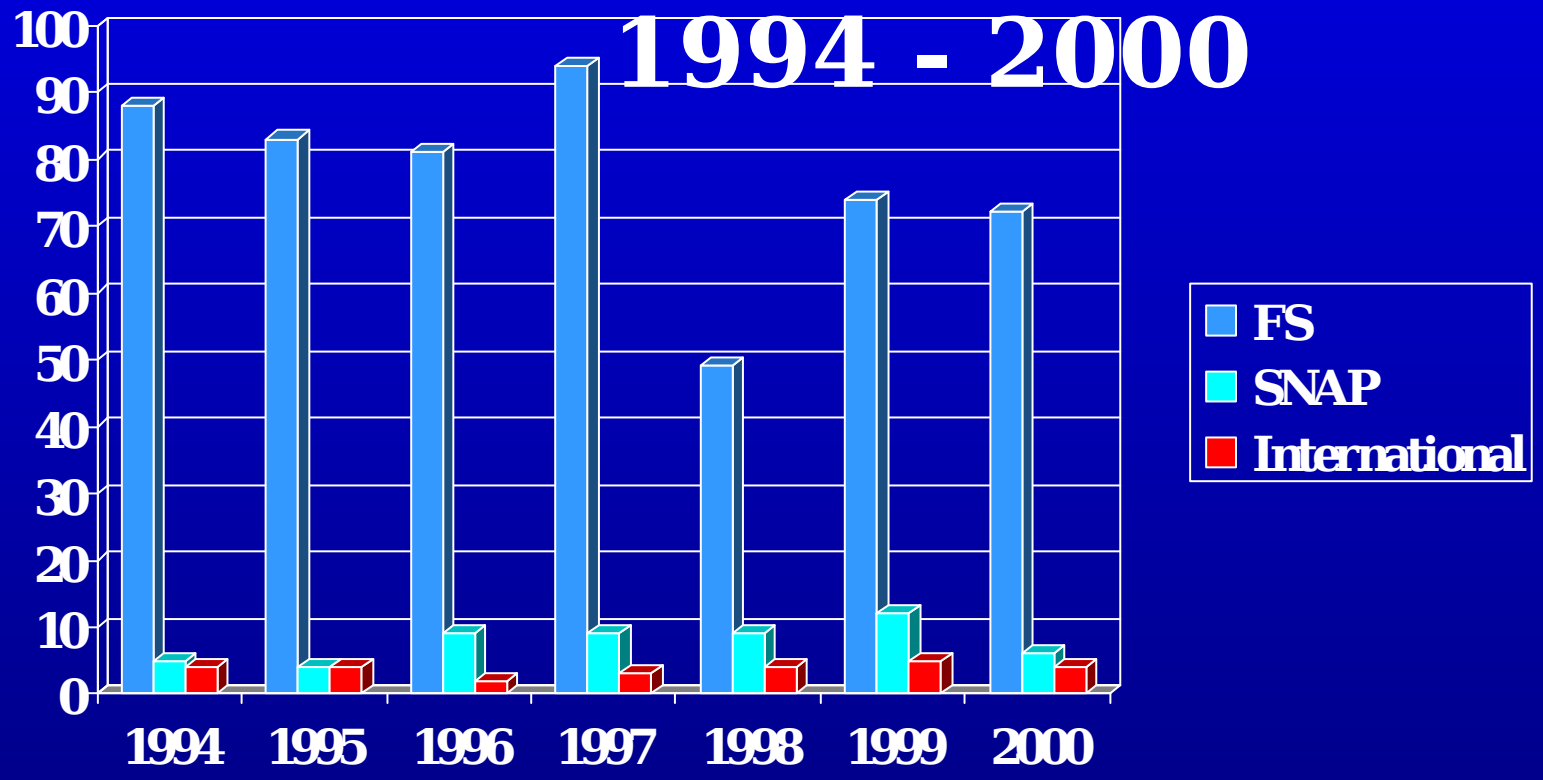
Flight Surgeon Curriculum

- **Phase III - Fixed Wing**
  - **T-34C “TurboMentor”**
  - **7 graded flight events**
  - **12.1 flight hours**
    - **day familiarization**
    - **precision landings & aerobatics**
    - **formation flight**
    - **night familiarization**
  - **6 simulator events**
  - **5 weeks**

Flight Surgeon Curriculum

- **Phase III - Rotary wing**
  - **TH-57B/C “Jet Ranger”**
  - **5 graded flight events**
  - **8.2 flight hours**
    - **day familiarization**
    - **helicopter tactics**
    - **night familiarization**
  - **5 simulator events**
  - **5 weeks**

Flight Surgeon & Aerospace Physiologist Designations 1994 - 2000



Navy Aerospace Medicine Residency

- **Director: M. R. Valdez, CAPT, MC, USN**
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- **A. Dir: N. A. Davenport, CAPT, MC, USN**
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- **GME Coordinator: Ms. Jean E. Kohl**
  - **namiramcoord@nomi.med.navy.mil**

Training Requirements based on Core Privileges

RAMS must be credentialled in:

- Operational Medicine and Primary Care Medicine
- Flight Surgery
- Aerospace Medicine

Evolving Residency Structure?

Curriculum Comparison; One- vs. Two-year Program

Clinical time is reduced under the one-year option by 55-70%

	Two Year / FS	Two-year / non-FS	One-year / FS	One-year / non-FS
NOMI Clinical	**46**	**46**	**22**	**14**
Ophth	8	8	4	2
Psych	8	8	4	2
ENT	8	8	2	2
IM	8	8	2	2
PE/PQ	4	4	4	2
Women's Health	2	2	2	2
Whiting Field	4	4	4	2
ER	4	4	0	0

(Courses currently required for accreditation are listed in orange)

Curriculum Comparison; One- vs. Two-year Program

TAD rotations away from NOMI

Distant	21	21	13	13
AsMA	1	1	1	1
Bum	4	4	0	0
Crash/ASO	6	6	6	6
FAA Flight Surgeon	1	1	1	1
Global Med	2	2	2	2
NAWC	1	1	1	1
Prevention (1 week)	2	2	1	1
Rad Health	2	2	0	0
Safety Center	1	1	0	0
Space Medicine	1	1	1	1

(Courses currently required for accreditation are listed in orange)

Curriculum Comparison; One- vs. Two-year Program

Additional training/ activities conducted locally.

Two-year curriculum allows for research, publication, and project time.

	Two Year / FS	Two-year / non-FS	One-year / FS	One-year / non-FS
Other NOMI Local	**19**	**19**	**9**	**9**
Hyperbarics	2	2	2	2
Instructor Tmg	2	2	2	2
Physiol	2	2	2	2
Research	8	8	0	0
Check-in/out; admin	1	1	1	1
Leave	4	4	2	2

(Courses currently required for accreditation are listed in orange)

Curriculum Comparison; One- vs. Two-year Program

Elective Courses for the previously trained flight surgeon. Again, a non flight surgeon is at a disadvantage.

ACLS/ATLS Instructor (3 days)				
AIRPAC (3 days)				
Alcohol Tx (2 weeks)				
Civ Airline (variable)				
Occ Med (2-4 weeks)				
Management (2 weeks)				
MENW (1 week)				
MM Chem Weps (1 week)				
NASA (4 weeks)				
NEHC Conf. (1 week)				
Problems Courses (1 week each)				
Safety Center (variable)				
Tropical Med (6 weeks)				
Top Knife				
USASAM, Ft. Rucker (variable)				
Elective time	**18**	**2**	**8**	**0**
	2yr	**2yr**	**1yr**	**1yr**
	FS	**nonFS**	**FS**	**nonFS**

Curriculum Comparison; One- vs. Two-year Program

- **Non-flight surgeons, or residents without prior aviation experience, require flight training, obligating 16 weeks additional time at the expense of clinical and elective studies.**
- **The current one-year, non-FS minimum (accredited) syllabus actually requires 60 weeks training time.**

RAM Affiliation

- **Military**
  - **Naval Hospital, Pensacola**
  - **Naval Aerospace Medical Research Lab**
  - **Uniformed Services University of Health Science**
  - **Naval Undersea Medical Institute**
  - **US Army Institute of Surgical Research, Brooke, AMC, San Antonio, TX**
  - **Lyster Army Medical Center, Ft. Rucker ***

RAM Affiliation

- **Pensacola Area Affiliations**
  - **Baptist Hospital**
  - **Sacred Heart Hospital, University of FL ***
  - **Escambia County Health Department ***
- **Martin Luther King Hospital, LA ***
- **LSUMC, Charity Hospital, New Orleans**
- **NASA**

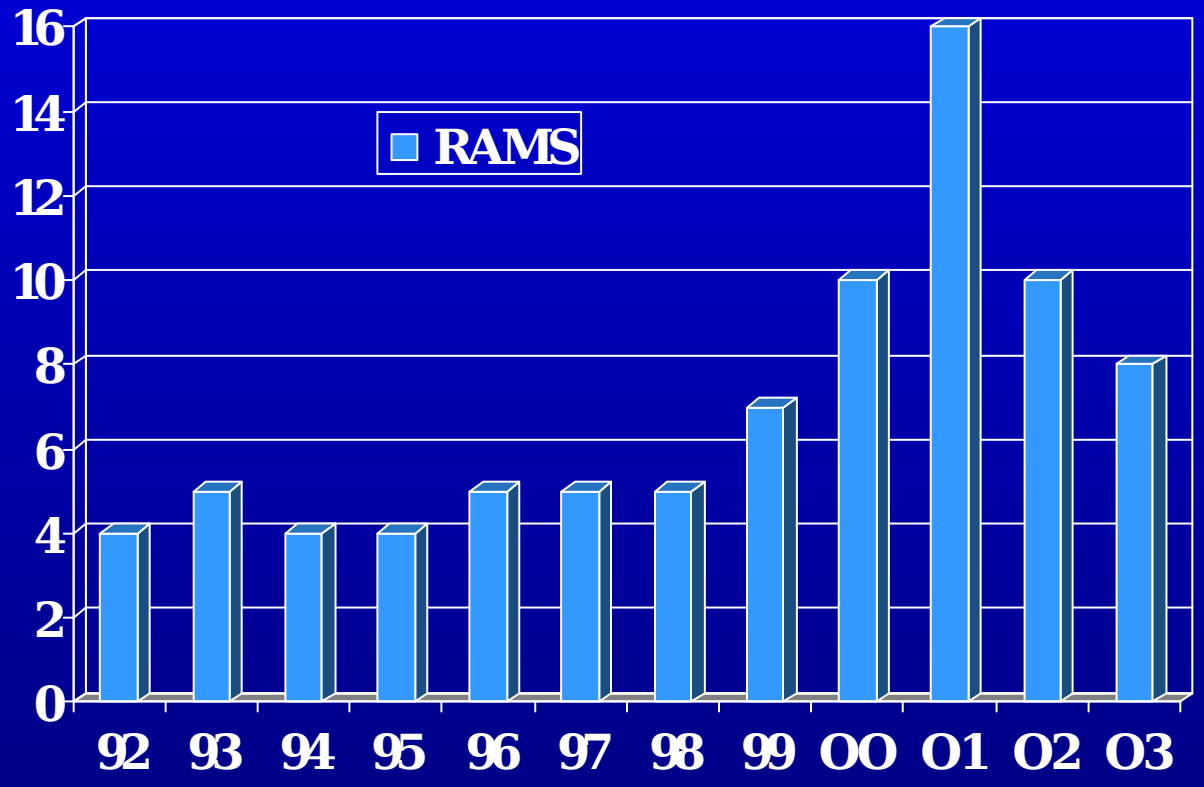
Available Courses

- Aviation Safety Officer Course, NPGS, Monterey, CA.
- Global Medicine, Brooks AFB
- Tropical Medicine and Jungle Survival
- Medical Management of Chemical Casualties
- Medical Effects of Nuclear Weapons

Available Courses

- **Radiation Health**
- **Hyperbaric Medicine**
- **FAA Flight Surgeon Course**
- **Alcohol Recognition and Treatment**

Annual RAM Graduates



Points of Contact

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- **CAPT Valdez 8212**
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Questions